

## CLAIMS

1. A cosmetic material comprising a crosslinked product of poly- $\gamma$ -glutamic acid and/or a crosslinked product of a poly- $\gamma$ -glutamic acid salt  
5 having a particle size of 0.1 to 100  $\mu\text{m}$  and an average particle size of 1 to 50  $\mu\text{m}$ .

2. The cosmetic material according to claim 1, wherein said crosslinked product of poly- $\gamma$ -glutamic acid and/or said crosslinked product of a  
10 poly- $\gamma$ -glutamic acid salt is contained in an amount of 0.001 to 20% by mass.

3. The cosmetic material according to claim 1, wherein said crosslinked product of poly- $\gamma$ -glutamic acid or said crosslinked product of a poly- $\gamma$ -glutamic acid salt are produced by exposing at least one solution selected from the group  
15 consisting of an aqueous solution, a methyl alcohol solution and an ethyl alcohol solution of poly- $\gamma$ -glutamic acid or the poly- $\gamma$ -glutamic acid salt which contain poly- $\gamma$ -glutamic acid in an amount of 2 to 30% by mass, to radiation for crosslinking thereof.

20 4. The cosmetic material according to claim 1, wherein said radiation is  $\gamma$ -ray or electron beam.

5. The cosmetic material according to any of claims 1 to 4, wherein said cosmetic material is used as hair cosmetic materials, skin cosmetic materials  
25 or nail cosmetic materials .

6. A cosmetic material comprising an oiliness agent selected from the group consisting of vegetable oils, higher alcohols or esters thereof, higher fatty esters and liquid paraffins, and a crosslinked product of poly- $\gamma$ -glutamic  
30 acid and/or a crosslinked product of a poly- $\gamma$ -glutamic acid salt as an oil dispersion modifier.

7. The cosmetic material according to claim 6, wherein said crosslinked product of poly- $\gamma$ -glutamic acid or said crosslinked product of a poly- $\gamma$ -glutamic acid salt has a particle size of 0.1 to 100  $\mu\text{m}$  and an average particle size of 1 to 50  $\mu\text{m}$ .

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8. The cosmetic material according to claim 6, wherein said oiliness agent is contained in an amount of 0.01 to 80% by mass, and said crosslinked product of poly- $\gamma$ -glutamic acid and/or said crosslinked product of a poly- $\gamma$ -glutamic acid salt are contained in an amount of 0.1 to 30% by mass.

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9. The cosmetic material according to claim 6, wherein said crosslinked product of poly- $\gamma$ -glutamic acid or said crosslinked product of a poly- $\gamma$ -glutamic acid salt are produced by exposing at least one solution selected from the group consisting of an aqueous solution, a methyl alcohol solution and an ethyl alcohol solution of poly- $\gamma$ -glutamic acid or the poly- $\gamma$ -glutamic acid salt which contain poly- $\gamma$ -glutamic acid in an amount of 1 to 30% by mass, to radiation for crosslinking thereof.

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10. The cosmetic material according to claim 9, wherein said radiation is  $\gamma$ -ray or electron beam.

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11. The cosmetic material according to any of claims 6 to 10, wherein said cosmetic material is used as hair cosmetic materials, skin cosmetic materials or nail cosmetic materials .

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